## IAP6 Rec'd PCT/PTO 19 MAR 2007

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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IRANSMITTAL LETTER TO THE UNITED STATES			2380.0030000		
DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5)			
INTERNATIONAL	APPLICATION NO. P2004/012262	INTERNATIONAL FILING DATE 29 October 2004	PRIORITY DATE CLAMPD 30 October 2003		
TITLE OF INVENTION Method And Device For Flow Soldering With Volume Flow Control  MAR 1 9 2007					
APPLICANT(S) FO		<u> </u>	· S		
Hans BELL	th submits to the United St	ates Designated/Elected Office (DO/EC	O/US) the following items and other information:		
This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.  This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.					
	n express request to begin nati (9) and (21) indicated below.	ional examination procedures (35 U.S.C. 37	1(t)). The submission must include items		
4. L The US	has been elected (Article 31).				
5. A copy	-	n as filed (35 U.S.C. 371(c)(2))			
a. L	is attached hereto (required	d only if not communicated by the Internation	nal Bureau).		
b	has been communicated by				
. L		cation was filed in the United States Receiving			
6.	7	e International Application as filed (35 U.S.C	C. 371(c)(2)).		
a. ∟	is attached hereto.				
b. L		itted under 35 U.S.C. 154(d)(4).			
7. Amen	Iments to the claims of the Inte	ernational Application under PCT Article 19 (	(35 U.S.C. 371(c)(3))		
a. L	」 are attached hereto (requi	ired only if not communicated by the Interna	tional Bureau).		
b. L	_	by the International Bureau.			
c. L	│ have not been made; how	rever, the time limit for making such amendn	nents has NOT expired.		
d. L	have not been made and				
	An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).				
	An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).				
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).					
Items 11 to 20 below concern document(s) or Information included:					
11. X An Inf	X An Information Disclosure Statement under 37 CFR 1.97 and 1.98.				
	An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.				
13. X A prel	A preliminary amendment.				
14.	An Application Data Sheet under 37 CFR 1.76.				
	A substitute specification.				
16. X A pow	A power of attorney and/or change of address letter.				
17. A com	A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.				
18. A sec	A second copy of the published International Application under 35 U.S.C. 154(d)(4).				
19. A sec	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).				

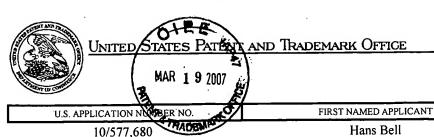
This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Page 1 of 3 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICAT	TION NO. (if known 10/577,680	•	INTERNATIONAL APPORT		ATTORNEY'S DOC 2380.003	
(1) Copy of N	items or information of Missent attached; (	sing Require	ments; (2) Original, ex 08A and PTO SB/08B	ecuted Stateme; and (4) Copy of	nt Under 3.73(b) w	ith a copy of FP1, FP2 ar
The foil	owing fees have b	een submitted			CALCULATIONS	PTO USE ON
	-			\$300	\$	
	nination fee (37 Cl		i			<del> </del>
If the written opin	nion prepared by IS	SA/US or the inte	mational preliminary examina sions of PCT Article 33(1)-(4)	\$0	\$ 200	
23. X Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)				\$ 400		
	TOTAL OF 21, 2				600	· · · · · · · · · · · · · · · · · · ·
sequenc electroni	e listing in complia c medium) (37 CF	ance with 37 CFR R 1.492(j)). Iditional 50 sheet Number of each	d in paper over 100 sheets (e 1.821(c) or (e) or computer p s of paper or fraction thereof. additional 50 or fraction	rogram listing in an		
22 - 100 =	0 /50 =	thereof (round	up to a whole number)	x \$250	\$	
Surcharge of \$13	30.00 for furnishing	g any of the searc f the national stag	ch fee, examination fee, or the je (37 CFR 1.492(h)).		\$ 130	
CLAIMS	NUME	BER FILED	NUMBER EXTRA	RATE	\$	
Total claims		15 -20=	0	x \$ 50	\$ 0	
Independent clai	ms	2 -3=	0	x \$200	\$ 0	
MULTIPLE DEP	ENDENT CLAIM(	S) (if applicable)		+ \$360	\$	
	<del></del>		TOTAL OF ABOVE	CALCULATIONS =	\$ 730	
Applicant cla	Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.					
SUBTOTAL =				\$ 730		
	of <b>\$130.00</b> for furni date (37 CFR 1.49		translation later than 30 mon	ths from the earliest +	\$	
			TOTAL	NATIONAL FEE =	\$ 730	
Fee for recording by an appropriat	g the enclosed ass e cover sheet (37	signment (37 CFF CFR 3.28, 3.31).	1.21(h)). The assignment mu \$40.00 per property	st be accompanied +	\$	
			TOTAL F	EES ENCLOSED =	\$ 730	
07 HKAYPAGH 000					Amount to be refunded:	\$
83 17	200	.00 0P .00 0P			Amount to be charged	\$

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007, OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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a. 🗆	A check in the amount of \$	to cover the ab	ove fees is enclosed.			
ь. 🗆		it No in the amount of		above fees.		
c. X	c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0036. A duplicate copy of this sheet is enclosed.					
d. X	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card Information should not be included on this form. Provide credit card information and authorization on PTO-2038.					
NOTE: \ and gra	NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the international Application to pending status.					
				,		
SEND A	LL CORRESPONDENCE TO:		Small	texpuspon		
CUS	STOMER NUMBER 26	111	Donald	J. Featherstone		
			REGISTRATION NUM	33,876		
			NEGIO I VATION NOI	BEN		



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Sex 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

Hans Bell

ATTY. DOCKET NO. 2380.0030000

INTERNATIONAL APPLICATION NO.

PCT/EP04/12262

I.A. FILING DATE

PRIORITY DATE

10/29/2004

10/30/2003

26111 STERNE, KESSLER, GOLDSTEIN & FOX PLLC 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005

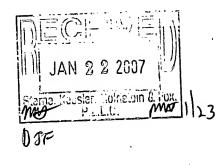
**CONFIRMATION NO. 8520 371 FORMALITIES LETTER** \*OC00000022036661\*

Date Mailed: 01/18/2007

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 04/28/2006
- Copy of the International Search Report filed on 04/28/2006
- Copy of IPE Report filed on 04/28/2006
- Information Disclosure Statements filed on 04/28/2006
- U.S. Basic National Fees filed on 04/28/2006
- Priority Documents filed on 04/28/2006



The applicant needs to satisfy supplemental fees problems indicated below.

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of \$910 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

DOCKETED

Total additional fees required for this application is \$1640 for a Large Entity:

Exercise Fee, Decl, Cate outh/Decl surcharge, search Fee, Examination Fee due March 18, 2007

STAT BAR due August 18, 2007

## • \$130 Surcharge.

- The application search fee has not been paid. Applicant must submit \$400 to complete the search fee. Note a surcharge will be required if submitted later than commencement of the national stage (37 CFR 1.492(h)) and the basic national fee was not paid before July 1, 2005.
- The application examination fee has not been paid. Applicant must submit \$200 to complete the
  examination fee for a non-small entity. Note a surcharge will be required if submitted later than
  commencement of the national stage (37 CFR 1.492(h)) and the basic national fee was not paid before
  July 1, 2005.
- Total additional claim fee(s) for this application is \$ 910
  - \$550 for 11 total claims over 20.
  - \$360 for multiple dependent claim surchare.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web. <a href="https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html">https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html</a>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <a href="http://www.uspto.gov/ebc.">http://www.uspto.gov/ebc.</a>

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

CHRISTINE S WASHINGTON

Telephone: (703) 308-9140 EXT 228

## PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY, DOCKET NO.
	PCT/EP04/12262	2380.0030000
10/577,680	PCT/EP04/12262	2380.0030

FORM PCT/DO/EO/905 (371 Formalities Notice)





Robert Greene Sterne Jorge A. Goldstein David K.S. Cornwell Robert W. Esmond Tracy-Gene G. Durkin Michele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Robert C. Millonig Donald J. Featherstone Timothy J. Shea, Jr Michael V. Messinger Judith U. Kim Patrick E. Garrett Jeffrey T. Helvey Eldora L. Ellison Thomas C. Fiala Donald R. Banowit Peter A. Jackman Jeffrey S. Weaver Brian J. Del Buono Mark Fox Evens Edward W. Yee Vincent L. Capuano Virgil Lee Beaston Theodore A. Wood Elizabeth J. Haanes Joseph S. Ostroff Frank R. Cottingham Daniel A. Klielin Jason D. Eisenberg Michael D. Specht Tracy L. Muller Jon E. Wright LuAnne M. DeSantis Ann E. Summerfield Helene C. Carlson Cynthia M. Bouchez Timothy A. Doyle Gaby L. Longsworth Lori A. Gordon Laura A. Vogel Bryan S. Wade Bashir M.S. Ali Shannon A. Carroll Anbar F. Khal Michelle K. Holoubek Marsha A. Rose Young Tang Christopher J. Walsh W. Blake Coblentz' James J. Pohl\* John T. Haran Mark W. Rygiel Kevin W. McCabe Michael R. Malek\* Doyle A. Siever\* Ulrike Winkler\*

Registered Patent Agents-Karen R. Markowicz Matthew J. Dowd Katrina Yujian Pei Quach Bryan L. Skelton Robert A. Schwartzman Victoria S. Rutherford Simon J. Elliott Julie A. Heider Mita Mukherjee Scott M. Woodhouse Lillana Di Nola-Baron Peter A. Socarras Jeffrey K. Mills Danielle L. Letting Lon Brandes Steven C. Oppenheime

Of Counsel Edward J. Kessler Kenneth C. Bass III Marvin C. Guthrie

\*Admitted only in Maryland \* Admitted only in Virginia • Practice Limited to Federal Agencies

(202) 772-8629 **INTERNET ADDRESS:** 

March 19, 2007

DONF@SKGF.COM

Mail Stop Missing Parts

WRITER'S DIRECT NUMBER:

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Patent Application No. 10/577,680;

International Filing Date: October 29, 2004

For: Method And Device For Flow Soldering With Volume Flow Control

Inventor: Hans BELL Our Ref: 2380.0030000

Sir:

In reply to the "Notice of Missing Requirements Under 35 U.S.C. 371 in the United States Designated/Elected Office (DO/EO/US)," dated January 18, 2007, Applicant transmits the following documents for appropriate action by the U.S. Patent and Trademark Office:

- 1. Transmittal Letter to the U.S. Designated/Elected Office Concerning a Submission Under 35 U.S.C. 371;
- 2. Copy of the Notice of Missing Requirements;
- 3. Credit Card Payment Form (PTO-2038) for \$730 to cover:

\$ 600.00 Patent Application fee (including basic filing, search and examination fees); and

\$ 130.00 Surcharge for late filing fee or Declaration;

- 4. Copy of an original Declaration, executed by the inventor;
- 5. Copy of an executed Power of Attorney from Assignee with Delegation;

Sterne, Kessler, Goldstein & Fox P.L.L.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents March 19, 2007 Page 2

- 6. Statement Under 37 C.F.R. § 3.73(b) with a copy of Assignment attached. The Assignment document was, or concurrently is, submitted for recordation pursuant § 3.11;
- 7. Preliminary Amendment Under 37 C.F.R. §1.115;
- 8. First Supplemental Information Disclosure Statement (IDS);
- 9. PTO SB/08A (1 page) listing documents FP1 and FP2;
- 10. PTO/SB/08B (1 page) listing document NPL1;
- 11. Copy of documents FP1, FP2 and NPL1; and
- 12. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. If extensions of time under 37 C.F.R. § 1.136 other than those otherwise provided for herewith are required to prevent abandonment of the present patent application, then such extensions of time are hereby petitioned, and any fees therefor are hereby authorized to be charged to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Donald J. Featherstone Attorney for Applicant Registration No. 33,876

DJF/la Enclosure(s)